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UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

HENRY S. GRAVES, Forester

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# April Field Program, 1911

This program of field work and assignments in the Forest Service is issued quarterly on the fifteenth day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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## OFFICE OF THE FORESTER

HENRY S. GRAVES, Forester.

ALBERT F. POTTER, Associate Forester.

HERBERT A. SMITH, Editor; GEORGE B. SUDWORTH, Dendrologist; EUGENE S. BRUCE, Expert Lumberman; D. D. BRONSON, General Inspector.

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## ACCOUNTS

Division of Accounts and Disbursements (Forest Service Branch).

M. E. FAGAN, Chief of Office of Accounts; E. A. MELZAR, Assistant Chief.

## OPERATION

JAMES B. ADAMS, Assistant Forester, in charge; GEORGE G. ANDERSON, Assistant in Office Methods.

GEOGRAPHY—FRED G. PLUMMER, Chief.

ATLAS—G. B. BRUCE.

DRAFTING—C. A. KOLB.

PHOTOGRAPHY—A. G. VARELA.

MAINTENANCE—GEORGE A. BENTLEY, Chief.

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## SILVICULTURE

WILLIAM T. COX, Assistant Forester, in charge.

STATE COOPERATION—J. G. PETERS, Chief; J. H. FOSTER, Assistant Chief.

CONNECTICUT—Preparation of report on second-growth hardwoods, in cooperation with the State Forester—E. H. Frothingham.

NORTH CAROLINA—Preparation of report on forest conditions, in cooperation with State Geological and Economic Survey—J. S. Holmes, Chapel Hill.

TENNESSEE AND KENTUCKY—Preparation of report on forest conditions—R. C. Hall, Washington, D. C.

Study of second-growth hardwoods in eastern Tennessee, in cooperation with State Geological Survey—W. W. Ashe, Washington, D. C.

NORTHEASTERN STATES—Preparation of report on forest conditions on watersheds of Allegheny and Monongahela Rivers, in cooperation with Pittsburg Flood Commission—J. H. Foster, Washington, D. C.

SOUTHERN STATES—Study of Appalachian species, with special reference to yield of second-growth stands—W. W. Ashe and E. D. Clark, Washington, D. C.

Study of the relation of forest taxation to forestry and to the future timber supply—Fred. R. Fairchild, New Haven, Conn.

SILVICS—RAPHAEL ZON, Chief; S. T. DANA, Assistant Chief.

Forest regions of the United States with special reference to the laws of their distribution—Raphael Zon.

Fundamental laws of tree growth—Raphael Zon.

Comparative rapidity of growth of forest trees—W. B. Barrows.

Results of seeding and planting in the East—S. T. Dana.

Study of factors influencing seed production—C. R. Tillotson.

Seed testing and storage experiments—C. R. Tillotson.

Study of the eastern ashes—E. H. Frothingham.

Basket-willow investigations—G. N. Lamb.

Willows: Their economic uses and culture—G. N. Lamb.

Preparation of Silvical Leaflets—

LIBRARY—MISS H. E. STOCKBRIDGE.

FOREST MANAGEMENT IN THE EAST—W. W. ASHE, Acting in Charge.

SOUTHERN STATES—Preparation of report on cottonwood in second-growth stands in the Mississippi Valley—A. W. Williamson, Washington, D. C.

Preparation of report on forest management of loblolly pine—W. D. Sterrett, Washington, D. C.

Examination of private forest lands—W. W. Ashe, Washington, D. C.

Forest management of hardwood bottom lands—A. W. Williamson, Washington, D. C.

NORTHEAST—Preparation of report on red spruce in second-growth stands—L. S. Murphy, Washington, D. C.

Remeasurement of permanent sample plots—W. D. Sterrett and party.

Preparation of forest-planting leaflets.

MEASUREMENTS—L. S. MURPHY, in charge.

## GRAZING

A. F. POTTER, Associate Forester, in charge; L. F. KNEIPP, Assistant Forester; WILL C. BARNES, Inspector of Grazing.

Forage investigations; compilation of data—F. V. Coville, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; investigation of methods of range control and restoration of overgrazed ranges, James T. Jardine, Inspector of Grazing, Ogden, Utah; Arthur T. Sampson and William A. Dayton, Plant Ecologists, Washington, D. C. (detailed to Bureau of Plant Industry under instructions of F. V. Coville, Botanist).

## LANDS

JAMES B. ADAMS, Assistant Forester, in charge; O. C. MERRILL, Chief Engineer; F. H. FOWLER, Engineer.

OCCUPANCY—CHARLES H. SQUIRE, in charge.

CLAIMS—J. I. PARKER, in charge.

## PRODUCTS

WM. L. HALL, Assistant Forester, in charge, Washington, D. C.

FOREST PRODUCTS LABORATORY—(In cooperation with the University of Wisconsin, Madison, Wis.) MCGARVEY CLINE, Director; H. S. BRISTOL, Assistant Director; HOWARD F. WEISS, Assistant Director.

MAINTENANCE—WM. H. KEMPFER, in charge.

CHEMISTRY—E. BATEMAN, in charge.

The classification of authentic creosotes according to their chemical and physical properties—E. Bateman.

Study of the production of ethyl alcohol from wood waste—F. W. Kressmann.

The investigation of specifications for gum turpentine—A. W. Schorger.

Experiments to determine the penetrance of caustic soda solution into aspen—F. W. Kressmann.

Standardization of commercial ground-wood pulp samples—E. Bateman.

Study of the oleo-resin of western yellow pine—A. W. Schorger.

ENGINEERING—ROLF THELEN, in charge.

Study of the modern sawmill—Rolf Thelen.

Study of the use of wood in gas producers—C. T. Barnum.

PULP AND PAPER—H. E. SURFACE, in charge.

Progress report on the various pulp woods tested previous to the establishment of the Forest Products Laboratory at Madison—H. S. Bristol.

Experiments to determine the suitability of jack pine for the production of chemical pulp—H. E. Surface.

Experiments to determine the suitability of tamarack for the production of chemical pulp—H. E. Surface.

Experiments to determine the suitability of mill waste from lumber mill of the Madera Co. (Ltd.), Madera, Chihuahua, Mexico, for the production of chemical pulp—H. E. Surface.



Experiments to determine the suitability of jack pine and eastern hemlock for the manufacture of ground-wood pulp—J. H. Thickens and G. H. McNaughton, Wausau, Wis.

Experimental study of the fundamental variable cooking conditions in the soda process—H. E. Surface.

TIMBER PHYSICS—H. D. TIEMANN, in charge.

Physical determination of the specific gravity and specific heat of wood substance—Frederick Dunlap.

The preparation of microscopic slides of the principal commercial woods in the United States—Miss Eloise Gerry.

Relations of the hygroscopic conditions of wood to temperatures and vapor pressures—H. E. McKenzie.

Tests to determine the strength of wood beams under continuously applied loads—H. E. McKenzie.

The analytical study of the artificial methods of drying wood in an experimental cylinder—H. D. Tiemann.

The effect of different methods of drying on the strength of wood (a report to be compiled from past records)—H. D. Tiemann.

Preparation of microscopic slides for standardization of wood-pulp samples—Simon Kirsch.

TIMBER TESTS—J. A. NEWLIN, in charge.

Standard tests on red oak, white oak, and ash—F. J. Hallauer; assistant, T. Lyons.

Effect of water solutions of bicarbonate of soda on the strength of shortleaf and longleaf pines—T. R. C. Wilson.

WOOD DISTILLATION—L. F. HAWLEY, in charge.

Refining and grading of wood turpentine—L. F. Hawley.

Experiments in distillation of resinous wood—L. F. Hawley; assistant, R. C. Palmer.

WOOD PRESERVATION—F. M. BOND, in charge.

Fungicidal properties of coal-tar creosote fractions—C. H. Teesdale.

The efficiency of various fractions of coal-tar creosote in protecting southern yellow pine from marine borers—C. H. Teesdale.

Service tests on red oak and maple crossties in cooperation with the Chicago, Milwaukee & St. Paul Railway Co. to determine the relative efficiency of standard preservatives and processes—F. M. Bond.

The relative resistance of commercial woods to injection with creosote—C. H. Teesdale and E. W. Peters.

Standard tests on the chemical, physical, fungicidal, and inflammable properties of various wood preservatives—L. Witt.

Standard tests upon the strength of loblolly pine to determine the effect of injecting various wood preservatives into it—L. Witt.

Experiments on mechanical operative features of pressure wood-preserving plants—C. P. Winslow and E. W. Peters.

PATHOLOGY (in cooperation with the Bureau of Plant Industry)—C. J. HUMPHREY, in charge.

Toxicity of preservatives with pure cultures—C. J. Humphrey.

Rate of decay of wood and the efficiency of various wood preservatives (fungus pit tests)—C. J. Humphrey.

Moisture per cents at various points in posts; also the effect of beveling the tops of posts—M. C. Jensen.

WOOD UTILIZATION—H. S. SACKETT, in charge, Fisher Building, Chicago, Ill. [The figures in the studies below indicate the number of the project.]

Collection of wholesale lumber prices—Franklin H. Smith, Fisher Building, Chicago, Ill.

Study of woods which may be used as substitutes for the southern junipers in the manufacture of lead pencils (14)—H. S. Sackett, Fisher Building, Chicago, Ill.

Collection of statistics covering the use of preservatives in the United States during 1910 (15)—H. S. Sackett, Fisher Building, Chicago, Ill.

Study of the woods which may be used in the manufacture of bobbins and shuttles (16)—H. S. Sackett, Fisher Building, Chicago, Ill.

Study of the methods of hickory manufacture and utilization (21)—C. F. Hatch, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Louisiana (28)—Hu Maxwell, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Missouri (29)—C. F. Hatch, Fisher Building, Chicago, Ill.

Studies of the wood-using industries of Michigan (30)—Franklin H. Smith, Fisher Building, Chicago, Ill.

Study of the wood-using industries of Arkansas (31)—John T. Harris, Fisher Building, Chicago, Ill.

Study of the effect of freight rates on the disposition of low-grade lumber—H. S. Sackett, Fisher Building, Chicago, Ill.

Preparation of reports upon the uses of the principal commercial woods—Hu Maxwell, Fisher Building, Chicago, Ill.; W. L. Hall, Washington, D. C.

Study of the substitution of other materials for wood in various industries—Hu Maxwell, Fisher Building, Chicago, Ill.

Study of hardwood inspection rules—John T. Harris, Fisher Building, Chicago, Ill.

Study of the exports of forest products, with particular reference to the uses at point of destination—Hu Maxwell, Fisher Building, Chicago, Ill.

WASHINGTON OFFICE—O. T. SWAN, in charge.

Inspection and report on treated greenhouse timbers set in 1908 in cooperation with the Bureau of Plant Industry—O. T. Swan.

Preparation of revised working plan for collection of annual statistics of forest products in cooperation with the Census—A. H. Pierson.

Study of the wood-using industries of Virginia in cooperation with the State—R. E. Simmons.

Testing and improving experimental types of pole-treating plants in cooperation with the Public Service Corporation of New Jersey—O. T. Swan.

Preparation of report on the construction and operation of tannin extract plants—O. T. Swan.

## ACQUISITION OF LAND UNDER THE WEEKS LAW

WM. L. HALL, Assistant Forester, in charge, Washington D. C.; Assistants, A. K. CHITTENDEN and CLYDE LEAVITT, Forest Inspectors.

Examination of land in the White Mountains—K. W. Woodward and E. D. Fletcher, Forest Examiners.

Examination of land in the Southern Appalachians—D. W. Adams, Lumberman, and Verne Rhoades, Forest Examiner.

## DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota. Office Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester; F. A. SILCOX, Associate District Forester; E. W. KRAMER, District Engineer.

LAW—Office of the Solicitor (Forest Service Branch). W. C. HENDERSON, Assistant to the Solicitor, in charge (temporary); HAROLD H. CLARKE, Assistant to the Solicitor.

ACCOUNTS—JOHN A. URBANOWICZ, District Fiscal Agent.

OPERATION—J. P. MARTIN, Assistant District Forester.

MAINTENANCE, R. J. MOORE.

SILVICULTURE—R. Y. STUART, Assistant District Forester; O. M. BUTLER, Assistant District Forester.

TIMBER SALES, Assistant District Foresters in Silviculture; Austin Cary, Forest Expert, special detail.

MONTANA—Reconnaissance, Deerlodge National Forest—J. S. Baird, Lumberman, Anaconda; A. A. Saunders, L. C. Stockdale, C. L. Billings, R. T. Ferguson, and C. H. Edwards.

Compilation of data on fire trespass, Lewis and Clark National Forest—F. I. Rockwell and O. A. Benson, Missoula.

PLANTING, H. H. Farquhar, Forest Assistant, in charge.

SILVICS, F. I. Rockwell, Forest Assistant, in charge.

Yield tables, lodgepole stands—C. N. Whitney, Anaconda, Mont.

Yield tables, white-pine stands (compilation of data)—F. I. Rockwell, Missoula, Mont.

COOPERATION, Bureau of Entomology.

Location of insect-infested timber and determination of methods of local control—Josef Brunner, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

GRAZING—C. H. ADAMS, Assistant District Forester.

LANDS—R. H. RUTLEDGE, Assistant District Forester; JOHN D. JONES, Assistant; C. E. MILES, Claims Examiner, Coeur d'Alene, Idaho.

PRODUCTS—P. R. HICKS, Engineer in Wood Preservation, on detail to the Forest Products Laboratory, Madison, Wis.



## NATIONAL FORESTS

## IDAHO

**Beaverhead**—See Montana.

**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia (WU-N); Edw. C. Thenon, Deputy Forest Supervisor; W. B. Willey, Forest Assistant.

**Coeur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace (WU-Am); Roscoe Haines, Deputy Forest Supervisor; Charles A. Fisher, Deputy Forest Supervisor; W. W. Morris, Forest Assistant; C. H. Gregory, Lumberman.

**Kaniksu**—See Washington.

**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville (WU-Am); J. Arthur Brown, Deputy Forest Supervisor.

**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint (WU-Am, N, W); James R. Gillis, Forest Assistant.

## MICHIGAN

**Marquette** }  
**Michigan** } —W. B. PIPER, Acting Forest Supervisor, Au Sable (WU-Am).

## MINNESOTA

**Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-Am, GN); J. St. J. Benedict, Forest Assistant.

**Superior**—J. A. FITZWATER, Forest Supervisor, Ely (WU-GN).

## MONTANA

**Absaroka**—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-Am, N). John M. Bedford, Forest Assistant.

**Beartooth**—GLEN A. SMITH, Forest Supervisor, Billings (WU-Am, N).

**Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon (WU-Am); George E. Martin, Deputy Forest Supervisor; Chas. R. Clark, Forest Assistant.

**Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula (WU-Am, N); M. N. Stickney, Deputy Forest Supervisor; Abbott B. Silva, Forest Assistant.

**Blackfeet**—J. F. PRESTON, Forest Supervisor, Kalispell (WU-Am, GN); R. P. McLaughlin, Deputy Forest Supervisor; J. A. Larsen, Forest Assistant.

**Cabinet**—RALPH H. BUSHNELL, Forest Supervisor, Thompson Falls (WU-Am, N); Claude W. Griffin, Deputy Forest Supervisor.

**Custer**—KNOX MCANALLY, Acting Forest Supervisor, Ashland (WU via Crow Agency-Am, N via Forsyth); Edgar F. White, Forest Assistant.

**Deerlodge**—D. T. MASON, Forest Supervisor, Anaconda (P-Am, N); F. M. Patton, Deputy Forest Supervisor; C. N. Whitney and A. A. Saunders, Forest Assistants.

**Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-Am, GN); John H. Clack, Deputy Forest Supervisor; J. L. Cobbs, Forest Assistant.

**Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman (WU-Am, N).

**Helena**—J. B. Seely, Forest Supervisor, Helena (WU-Am, N); J. D. Warner, Deputy Forest Supervisor; Donald Bruce and Warren F. Hale, Forest Assistants.

**Jefferson**—WALLACE S. PERRINE, Forest Supervisor, Great Falls (WU-Am, N); Wellman Holbrook, Deputy Forest Supervisor.

**Kootenai**—DORR SKEELS, Forest Supervisor, Libby (WU-Am, GN); William A. Raymond, Deputy Forest Supervisor; Webster H. Ransom and William C. Latane, Forest Assistants.

**Lewis and Clark**—SCOTT LEAVITT, Forest Supervisor, Chouteau (WU via Collins-Am, GN via Collins).

**Lolo**—ELERS KOCH, Forest Supervisor, Missoula (WU, P-Am, N); Thos. C. Spaulding, Deputy Forest Supervisor; E. C. Clifford and Reuben P. Prichard, Forest Assistants.

**Madison**—CLIFTON W. HUDSON, Forest Supervisor, Sheridan (WU-Am, N).

**Missoula**—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-Am, N); Rutledge Parker, Deputy Forest Supervisor; Richard C. Eggleston, Forest Assistant.

**Sioux**—See South Dakota.

#### NORTH DAKOTA

**Dakota**—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Bellefourche-Am via Bellefourche); Donald R. Brewster, Forest Assistant.

#### SOUTH DAKOTA

**Sioux**—C. A. BALLINGER, Forest Supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche); Donald R. Brewster, Forest Assistant.

#### WASHINGTON

**Kaniksu**—W. N. MILLAR, Forest Supervisor, Newport (WU-Am, GN); N. C. Brown, Deputy Forest Supervisor.

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## DISTRICT 2

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas. Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester; T. W. NORCROSS, District Engineer.

LAW—Office of the Solicitor (Forest Service Branch). GEO. E. TROWBRIDGE, Assistant to the Solicitor, in charge; J. F. LAWSON, Assistant to the Solicitor.

ACCOUNTS—H. I. LOVING, District Fiscal Agent.

OPERATION—FRED W. MORRELL, Assistant District Forester.

MAINTENANCE, F. B. AGEE.

SILVICULTURE—S. L. MOORE, Assistant District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

PLANTING, JOHN BENTLEY, Jr.

SILVICS, C. G. BATES.

COLORADO AND SOUTH DAKOTA—Examination of silvical sample plots on National Forests. Institution of mensuration studies—C. G. Bates, Denver.

COLORADO—Fremont Experiment Station. Continuation and extension of experiments begun in 1910, and institution of new experiments—W. D. Hayes and T. E. Miller, Manitou.

Wagon Wheel Gap Experiment Station. Streamflow and meteorological measurements, in cooperation with B. C. Kadel of the Weather Bureau. Institution of

silvical experiments and ecological studies—John Murdoch, Jr., and R. D. Garver.  
Wagon Wheel Gap.

GRAZING—J. W. NELSON, Assistant District Forester.

LANDS—C. J. STAHL, Assistant District Forester.

PRODUCTS—H. S. BETTS, Assistant District Forester.

TIMBER TESTS—Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—N. de W. Betts, in charge.

Report on results of tests on small pieces cut from red cedar, lodgepole pine, and Engelmann spruce telephone poles.

Collection of material for standard tests on the commercial species found in District 2.

WOOD PRESERVATION—Study of wood-preservation methods for permanent improvement work on National Forests in District 2—H. M. Mason, jr., Denver, Colo.

Inspection of metal mines in Ouray district, southern Colorado, to determine feasibility of treating mine timbers—H. M. Mason, jr., and H. S. Betts.

Installation of cooperative open-tank treating plant at Agricultural College, Fort Collins, Colo.—H. M. Mason, jr.

Study of the use of native timbers for crossties by railroads operating in Colorado—N. de W. Betts.

WOOD UTILIZATION—Turpentine experiments in Arizona and Colorado.—H. S. Betts.

Preparation of preliminary report on utilization of dead timber—N. de W. Betts and H. S. Betts.

## NATIONAL FORESTS

### COLORADO

**Arapaho**—ARTHUR M. COOK, Forest Supervisor, Fraser (WU-Ad); Arthur T. Upson, Forest Assistant.

**Battlement**—JOHN W. LOWELL, Jr., Forest Supervisor, Collbran (WU-WF, G).

**Cochetopa**—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G); Charles P. Bliss, Forest Assistant.

**Colorado**—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); H. B. Holroyd, Deputy Forest Supervisor; Harold C. Clark, Forest Assistant.

**Gunnison**—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. Berky, Deputy Forest Supervisor; W. H. Mast, Forest Assistant.

**Hayden**—See Wyoming.

**Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); Albert H. Miller, Deputy Forest Supervisor.

**La Sal**—See Utah, District 4.

**Leadville**—THEODORE SHOEMAKER, Forest Supervisor, Leadville (WU, P-WF, G); R. E. Clark, Deputy Forest Supervisor; J. E. Martin, Forest Assistant.

**Montezuma**—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G); Frank B. Notestein, Forest Assistant.

**Pike**—C. W. FITZGERALD, Forest Supervisor, Denver (WU, P-Ad, Am, G, US, WF); W. I. Hutchinson, Forest Assistant; Monument Nursery—Henry G. Reinsch, Forest Expert; W. Schrader, Forest Planting Assistant, Monument.



- Rio Grande**—W. J. MORRILL, Forest Supervisor, Monte Vista (WU-G); Walter F. Bowers, Deputy Forest Supervisor; Jay Higgins, Forest Assistant.
- Routt**—J. H. RATLIFF, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. Paxton, Forest Assistant.
- San Isabel**—J. N. LANGWORTHY, Forest Supervisor, Westcliffe (WU-G); M. B. Willey, Deputy Forest Supervisor; Albin G. Hamel, Forest Assistant.
- San Juan, East**—A. L. SWEITZER, Forest Supervisor, Pagosa Springs (WU-G).
- San Juan, West**—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); John C. De Camp, Forest Assistant.
- Sopris**—JOHN MCLAREN, Forest Supervisor, Aspen (WU-WF, G); Joseph H. Potts, Forest Assistant.
- Uncompahgre**—HOWARD S. BUSHNELL, Forest Supervisor, Delta (WU-G); L. E. Cooper, Deputy Forest Supervisor; J. H. Ramskill, Forest Assistant.
- White River**—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G); G. P. Bard, Forest Assistant.

## KANSAS

- Kansas**—B. R. H. D'ALLEMAND, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery.

## NEBRASKA

- Nebraska**—R. G. PIERCE, Acting Forest Supervisor, Halsey (WU-Ad); Halsey Nursery—C. R. Bechtle, Forest Planting Assistant.

## SOUTH DAKOTA

- Black Hills, North**—PAUL D. KELLETER, Forest Supervisor, Deadwood (WU-Ad, Am); Seward D. Smith, Forest Assistant.
- Black Hills, South**—R. P. IMES, Forest Supervisor, Custer (WU-Ad); Stephen V. Klem, Forest Assistant.

## WYOMING

- Bighorn**—E. N. KAVANAGH, Forest Supervisor, Sheridan (WU-Ad); Andrew G. Stockwell, Deputy Forest Supervisor; Earl S. Pierce, Forest Assistant.
- Bonneville, Green River**—H. C. HALL, Forest Supervisor, Pinedale (WU-Am).
- Bonneville, Sweetwater**—C. G. POOLE, Forest Supervisor, Lander (WU-Am).
- Bonneville, Wind River**—H. EARL FRENCH, Forest Supervisor, Dubois (WU-Am).
- Hayden**—JAMES BLACKHALL, Forest Supervisor, Encampment (WU, P-Am); Roy S. Wheeler, Forest Assistant.
- Medicine Bow**—P. S. LOVEJOY, Forest Supervisor, Laramie (WU, P-Am); R. A. Stretch, Forest Assistant.
- Shoshone**—R. W. ALLEN, Acting Forest Supervisor, Cody (WU-Ad).
- Sundance**—LOUIS KNOWLES, Forest Supervisor, Sundance (WU-Ad, Am).



## DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma. Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester; E. H. CLAPP, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch). BLAKE FRANKLIN, Assistant to the Solicitor, in charge; R. F. FEAGANS, Assistant to the Solicitor.

ACCOUNTS—J. J. DUFFY, District Fiscal Agent.

OPERATION—A. O. WAHA, Assistant District Forester; A. S. PECK, Assistant District Forester.

MAINTENANCE, W. B. BUNTON.

SILVICULTURE—T. S. WOOLSEY, Jr., Assistant District Forester; A. B. RECK-NAGEL, Assistant District Forester.

TIMBER SALES, Assistant District Foresters in Silviculture.

ARKANSAS—Reconnaissance of the Arkansas and Ozark National Forests—J. H. Allison, in charge; T. B. Longwell and George C. Morbeck, field chiefs; assistants, W. W. Bennett, Clarence Goddard, D. D. Harkness, R. E. Hopson, E. R. Poynter, Jennings D. McLeod, R. T. Ross, Robt. L. Stephenson, I. C. Waterbury, T. F. Wells, Dave Winbray; E. C. Hamilton and H. E. Greenleaf, draftsmen.

Market study, check scaling, and examination of proposed timber sales, on the Arkansas National Forest—Athol A. Wynne, Lumberman, Hot Springs.

NEW MEXICO—Examination of proposed timber sale areas on the Gila National Forest—Nelson L. Le Grand, Lumberman, Silver City.

PLANTING, Assistant District Foresters in Silviculture.

SILVICS, Coconino Forest Experiment Station—G. A. PEARSON, Flagstaff, Ariz., in charge; assistants, Max H. Foester, H. H. Greenamyre, Robert R. Hill, Norman W. Scherer, Flagstaff, Ariz.

GRAZING—J. K. CAMPBELL, Assistant District Forester; JOHN KERR, Assistant District Forester.

LANDS—FRANK C. W. POOLER, Assistant District Forester.

## NATIONAL FORESTS

## ARIZONA

Apache—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); Frederick Winn, Deputy Forest Supervisor; Aldo Leopold, Forest Assistant.

Chiricahua—A. H. ZACHAU, Forest Supervisor, Portal (WU, P-WF); Ira T. Yarnall, Forest Assistant.

Coconino—WILLARD M. DRAKE, Forest Supervisor, Flagstaff (WU, P-WF); J. C. Kircher, Forest Assistant.

Coronado—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); Robert L. Rogers, Deputy Forest Supervisor.

Crook—T. T. SWIFT, Forest Supervisor, Safford (WU-WF).

Garces—ROBERT J. SELKIRK, Forest Supervisor, Tucson (WU, P-WF); Robert L. Rogers, Deputy Forest Supervisor.

**Prescott**—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF); J. C. McNelty, Deputy Forest Supervisor.  
**Sitgreaves**—CHAS. H. JENNINGS, Acting Forest Supervisor, Snowflake (WU, P-WF).  
**Tonto**—R. G. WILLSON, Forest Supervisor, Roosevelt (WU-WF).  
**Tusayan**—STANTON G. SMITH, Forest Supervisor, Williams (WU, P-WF); Gordon T. Baekus, Forest Assistant.  
**Zuni**—See New Mexico.

## ARKANSAS

**Arkansas**—S. A. CHAPPELL, Acting Forest Supervisor, Hot Springs (WU, P-WF, P); C. J. Heller, Forest Assistant.  
**Ozark**—FRANCIS KIEFER, Forest Supervisor, Harrison (WU-WF); Ralph C. Huey, Deputy Forest Supervisor; L. L. Janes and Geo. C. Morbeck, Forest Assistants.

## FLORIDA

**Choctawhatchee** } I. F. ELDREDGE, Forest Supervisor, Pensacola; W. F. Hill, Deputy  
**Ocala** } Forest Supervisor; P. D. Edmunds, Forest Agent.

## NEW MEXICO

**Alamo**—C. C. HALL, Forest Supervisor, Clouderoft (WU, P-WF); R. F. Balthis, Deputy Forest Supervisor; Raymond E. Marsh, Forest Assistant.  
**Carson**—HARRY C. HALL, Acting Forest Supervisor, Antonito, Colo. (WU-G).  
**Chiricahua**—See Arizona.  
**Datil**—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); Robert L. Deering, Forest Assistant.  
**Gila**—DON P. JOHNSTON, Acting Forest Supervisor, Silver City (WU, P-WF); Chas. A. Kissam, Forest Agent; Fort Bayard Nursery—H. C. Turner, Forest Planting Assistant.  
**Jemez**—FRANK E. ANDREWS, Forest Supervisor, Santa Fe (WU, P-WF); B. M. Thomas and A. D. Read, Deputy Forest Supervisors; Charles D. Faunce, Forest Assistant.  
**Lincoln**—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).  
**Manzano**—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); James F. Mullen, Deputy Forest Supervisor.  
**Pecos**—THOS. R. STEWART, Forest Supervisor, Pecos (WU, P-WF); Hugh G. Calkins, Deputy Forest Supervisor; Las Gallinas Nursery—H. D. Burrall, Forest Planting Assistant.  
**Zuni**—W. R. MATTOON, Forest Supervisor, Albuquerque (WU, P-WF); James F. Mullen, Deputy Forest Supervisor.

## OKLAHOMA

**Wichita**—FRANK RUSH, Game Warden, in charge, Cache (WU-WF).

## DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and north-western Arizona. Forest Service Building, Ogden, Utah.

E. A. SHERMAN, District Forester; FRANKLIN W. REED, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch). A. W. JENSEN, Assistant to the Solicitor, in charge.

ACCOUNTS—Q. R. CRAFT, District Fiscal Agent.

OPERATION—A. C. MCCAIN, Assistant District Forester.

MAINTENANCE, FELIX T. MOORE.

BOUNDARIES, R. V. R. REYNOLDS.

SILVICULTURE—FRANKLIN W. REED, Associate District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

ARIZONA—Compiling data and preparation of map, Kaibab reconnaissance—Nils Eckbo and S. S. Stewart, Ogden, Utah.

IDAHO—Compiling data, reconnaissance Salmon National Forest—William W. Twaddell, jr., and Samuel B. Locke.

Compiling data, reconnaissance of Targhee National Forest—H. B. Maris.

UTAH—Reconnaissance Sevier National Forest—R. W. Taylor, W. N. Sparhawk, and Levon H. Kooyumjian.

PLANTING, J. M. FETHEROLF.

SILVICS, E. R. HODSON.

GRAZING—HOMER E. FENN, Assistant District Forester; G. G. BENTZ, Assistant District Forester.

LANDS—T. C. HOYT, Assistant District Forester.

SUPPLY DEPOT—A. M. SMITH, Property Clerk.

PROPERTY AUDIT—J. G. FALCK, Property Auditor.

## NATIONAL FORESTS

## ARIZONA

Dixie—See Utah.

Kaibab—JAMES L. PELTON, Forest Supervisor, Kanab, Utah (WU-WF).

## IDAHO

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-Am); M. S. Benedict, Deputy Forest Supervisor.

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-Am).

Challis—DAVID LAING, Forest Supervisor, Challis (WU-Am).

Idaho—J. E. ROTHERY, Forest Supervisor, McCall (WU-P).

Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay (WU-Am); A. L. Brower, Forest Assistant.

Minidoka—WILLIAM MCCOY, Forest Supervisor, Oakley (WU-Am).

- Palisade**—DAN S. PACK, Forest Supervisor, St. Anthony (WU-Am); James B. Saxton, Forest Assistant.
- Payette**—GUY B. MAINS, Forest Supervisor, Emmett (WU-Am); Frank J. Ryder, Deputy Forest Supervisor.
- Pocatello**—J. F. BRUINS, Forest Supervisor, Pocatello (WU-Am); Pocatello Nursery—P. T. Wrensted, Forest Ranger.
- Salmon**—JAMES M. RYAN, Forest Supervisor, Salmon (WU-Am); John A. Pearson, Deputy Forest Supervisor; Irwin W. Cook, Forest Assistant.
- Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey (WU-Am); H. G. McPheters, Deputy Forest Supervisor.
- Targhee**—CHESTER B. MORSE, Forest Supervisor, St. Anthony (WU-Am); Charles A. Beam, Deputy Forest Supervisor.
- Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-Am); W. M. Campbell, Deputy Forest Supervisor; A. E. Oman, Forest Assistant.

## NEVADA

- Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF); W. W. Blakeslee, Deputy Forest Supervisor; Herman Work, Forest Assistant.
- Moapa**—THOMAS J. COLLINS, Acting Forest Supervisor, Las Vegas (WU-Am).
- Nevada**—R. F. MATHIAS, Forest Supervisor, Ely (WU-WF); Rudolph Dieffenbach, Deputy Forest Supervisor; Robert Rosenbluth, Forest Assistant.
- Toiyabe**—HERBERT GRAFF, Forest Supervisor, Austin (WU, P-WF).

## UTAH

- Ashley**—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).
- Cache**—CLINTON G. SMITH, Forest Supervisor, Logan (WU-Am); John Riis, Deputy Forest Supervisor.
- Dixie**—JOHN RAPHAEL, Forest Supervisor, St. George (WU-WF).
- Fillmore**—WM. HURST, Forest Supervisor, Beaver (WU-WF); George C. Thompson, Deputy Forest Supervisor.
- Fishlake**—CARL B. ARENTSON, Forest Supervisor, Salina (WU-WF); D. M. Lang, Deputy Forest Supervisor.
- La Sal**—HENRY A. BERG, Forest Supervisor, Moab (WU-WF); C. E. Dunston, Deputy Forest Supervisor.
- Manti**—C. L. SMITH, Forest Supervisor, Ephraim (WU-WF); Ernest Winkler, Deputy Forest Supervisor; F. T. McLean, Forest Assistant.
- Minidoka**—See Idaho.
- Nebo**—H. F. STUDLEY, Forest Supervisor, Nephi (WU-WF).
- Pocatello**—See Idaho.
- Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).
- Sevier**—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); Lincoln Crowell, Deputy Forest Supervisor.
- Uinta**—W. I. PACK, Forest Supervisor, Provo (WU-WF); J. Carl Allred, Deputy Forest Supervisor; Dana Parkinson, Forest Assistant.
- Wasatch**—E. H. CLARKE, Forest Supervisor, Salt Lake City (WU, P-Am, WF); Wasatch Nursery—N. J. Fetherolf, Forest Planting Assistant.



## WYOMING

Ashley—See Utah.

Caribou—See Idaho.

Targhee—See Idaho.

Teton—R. E. MILLER, Forest Supervisor, Jackson (WU-Am).

Wyoming—JAMES E. JEWELL, Forest Supervisor, Afton (WU-Am); L. J. Phelan, Deputy Forest Supervisor; John E. Ingram, Forest Assistant.

## DISTRICT 5

California and southwestern Nevada. Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester; COERT DUBOIS, Associate District Forester; WALTER L. HUBER, District Engineer.

LAW—Office of the Solicitor (Forest Service Branch). H. P. DECHANT, Assistant to the Solicitor, in charge.

ACCOUNTS—F. C. THOMPSON, District Fiscal Agent.

OPERATION—ROY HEADLEY, Assistant District Forester.

MAINTENANCE, M. R. Tillotson.

SILVICULTURE—T. D. WOODBURY, Assistant District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

Reconnaissance on the Plumas National Forest—Patrick Kennedy and C. H. Ensign, Lumbermen, Quincy, Cal.

Reconnaissance on the Tahoe National Forest—J. C. Elliott, Lumberman, Nevada City, Cal.

SILVICS, Assistant District Forester in Silviculture.

Study of tree diseases in the California National Forests—E. P. Meinecke, Consulting Pathologist, San Francisco, Cal.

Study of insect-infested timber—John M. Miller, Forest Ranger, Northfork, Cal.

GRAZING—JOHN H. HATTON, Assistant District Forester; M. B. ELLIOTT, Assistant District Forester.

LANDS—L. A. BARRETT, Assistant District Forester.

PRODUCTS—C. STOWELL SMITH, Assistant District Forester.

WOOD PRESERVATION—Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles, logs, and lumber, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, the Parkside Realty Company, and the Pioneer Wood Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. Stowell Smith, San Francisco, Cal.

Operation of a portable treating plant in Long and Honey Lake Valleys, Lassen County, Cal.—C. A. Kupfer.

Preservation of posts and poles, in cooperation with the ranchers in Scott Valley, Siskiyou County, Cal.

Experimental treatment of telephone poles for permanent improvement by the "Boucherie" process, Eldorado National Forest.

Preparation of inspection report on telephone poles treated and set, in cooperation with Southern California electric companies—C. A. Kupfer, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. Armstrong, San Francisco, Cal.

WOOD UTILIZATION—Study of the wood-using industries of the State, in cooperation with the State Board of Forestry.

Study of fence-post, mine-timber, and telephone-pole situation on and adjacent to the Inyo National Forest—Jas. B. Berry, Forest Assistant, Bishop, Cal.

Turpentine experiments on the Sierra and Lassen National Forests and in cooperation with the Union Lumber Company, Fort Bragg, to determine the yield and cost of operation per unit of area on western yellow, Digger, lodgepole, and pricklycone pines.

## NATIONAL FORESTS

### CALIFORNIA

**Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); Ernest B. Long, Deputy Forest Supervisor; J. M. Grant, Forest Expert, in charge of planting operations; Serope Y. Parnay, Forest Planting Assistant, San Bernardino.

**California**—D. P. GODWIN, Acting Forest Supervisor, Willows (P-WF); A. W. Bartlett, Deputy Forest Supervisor; S. W. Strothman, Forest Assistant.

**Cleveland**—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); Percy L. Day, Deputy Forest Supervisor; F. L. Rickey, Planting Assistant.

**Eldorado**—EVAN W. KELLEY, Forest Supervisor, Placerville (WU-WF).

**Inyo**—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); Jas. B. Berry, Forest Assistant.

**Kern**—W. J. RUSHING, Forest Supervisor, Bakersfield (WU-WF); Jas. O. Morrow, Deputy Forest Supervisor.

**Klamath**—W. B. RIDER, Forest Supervisor, Yreka (WU-WF); J. R. Hall, Deputy Forest Supervisor; Shirley W. Allen, Forest Assistant.

**Lassen**—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. La Plant, Deputy Forest Supervisor.

**Modoc**—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); Vernon L. Bonner, Deputy Forest Supervisor; Belknap C. Goldsmith, Forest Assistant.

**Mono**—See Nevada.

**Monterey**—RAYMOND TYLER, Forest Supervisor, Salinas (WU-WF).

**Plumas**—D. N. ROGERS, Forest Supervisor, Quincy (WU-WF); W. G. Durbin, Deputy Forest Supervisor; R. S. Maddox and Geo. R. Orr, Forest Assistants.

**Santa Barbara**—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. Merrill, Deputy Forest Supervisor; W. H. Moore, Forest Assistant.

**Sequoia**—ALLAN B. PATTERSON, Forest Supervisor, Hot Springs, Tulare County (WU via Portersville-WF); W. C. Burton, Deputy Forest Supervisor; S. W. Wynee, Forest Assistant.

**Shasta**—R. F. HAMMATT, Forest Supervisor, Sisson (P-WF); Philip T. Harris, Deputy Forest Supervisor; John D. Coffman and Stewart B. Show, Forest Assistants.

**Sierra**—P. G. REDINGTON, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. Benedict, Deputy Forest Supervisor; Ernest G. Dudley, Forest Assistant.

**Stanislaus**—R. W. AYRES, Forest Supervisor, Sonora (WU-WF); J. V. Wulff and Louis T. Larsen, Forest Assistants.

**Tahoe**—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. Pratt, Deputy Forest Supervisor; J. Alfred Mitchell and Wm. H. Gallaher, Forest Assistants.

**Trinity**—W. A. HUESTIS, Forest Supervisor, Weaverville (WU-WF); Ernest V. Jotter, Forest Assistant.

#### NEVADA

**Inyo**—See California.

**Mono**—WM. M. MAULE, Forest Supervisor, Gardnerville (WU-WF); T. C. West, Deputy Forest Supervisor; Rex King, Forest Assistant.

**Tahoe**—See California.

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### DISTRICT 6

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, District Forester; W. E. HERRING, District Engineer.

LAW—Office of the Solicitor (Forest Service Branch). W. F. STALEY, Assistant to the Solicitor in charge; D. F. MCGOWAN, Assistant to the Solicitor.

ACCOUNTS—A. H. COUSINS, District Fiscal Agent.

OPERATION—C. H. FLORY, Assistant District Forester.

MAINTENANCE, SHIRLEY BUCK.

SILVICULTURE—F. E. AMES, Assistant District Forester; C. S. JUDD, Assistant District Forester.

Study of forest taxation in Washington—F. B. Kellogg and F. G. Miller, Forest Assistants.

TIMBER SALES, Assistant District Foresters in Silviculture.

OREGON—Examination of proposed sale areas on the Crater National Forest—D. L. McKay, Scaler, Medford.

ALASKA—Scaling on the Tongass National Forest—Edwin C. Erickson, Scaler Ketchikan.

PLANTING, J. F. KÜMMEL.

SILVICS, T. T. MUNGER.

GRAZING—T. P. MACKENZIE, Assistant District Forester.

LANDS—C. J. BUCK, Assistant District Forester.

PRODUCTS—J. B. KNAPP, Assistant District Forester.

TIMBER TESTS—Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. Goss, in charge; assistants, C. W. Zimmerman and H. P. Wyckoff.

Strength tests on green and air-dried western yellow pine—O. P. M. Goss, Seattle, Wash.

WOOD PRESERVATION—Experimental operation of an open-tank treating plant in cooperation with the University of Washington Forest School—O. P. M. Goss, Seattle, Wash.

Collection of experimental woods—J. B. Knapp and C. W. Dunning, Portland, Oreg.

WOOD UTILIZATION—Study of the market for and uses of forest products in the Spokane territory—J. B. Knapp, Portland, Oreg., and C. W. Dunning, Spokane, Wash.

Study of the rate of deterioration and usability of fire-killed timber—C. W. Dunning, Portland, Oreg.

Study of model milling methods—H. B. Oakleaf, Portland, Oreg.

Study of the kiln-drying of Douglas fir—H. B. Oakleaf, Portland, Oreg.

## NATIONAL FORESTS

### ALASKA

**Chugach**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thos. M. Hunt, Deputy Forest Supervisor; Bruce Hoffman, Forest Assistant.

**Tongass**—W. A. LANGILLE, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP, Am).

### CALIFORNIA

**Crater**—See Oregon.

**Siskiyou**—See Oregon.

### OREGON

**Cascade**—C. R. SEITZ, Forest Supervisor, Eugene (WU, P-WF); J. R. Harvey, Deputy Forest Supervisor; E. B. Starr and B. Frank Heintzleman, Forest Assistants.

**Crater**—M. L. ERICKSON, Forest Supervisor, Medford (WU, P-WF); S. S. Swenning, Deputy Forest Supervisor; H. D. Foster and William E. White, Forest Assistants.

**Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville (PT & T-Am via Shaniko, WF via Shaniko); B. F. Johnson, Deputy Forest Supervisor; Reginald R. Chaffee, Forest Assistant.

**Fremont**—GILBERT D. BROWN, Forest Supervisor, Lakeview (WU via Reno, Nev.-WF); Norman G. Jacobson, Forest Assistant; Nelson J. Billings, Grazing Assistant.

**Malheur**—Cy. J. BINGHAM, Forest Supervisor, John Day (WU via Baker City-Am, WF via Baker City); D. B. Reynolds, Deputy Forest Supervisor; Herbert J. Miles, Forest Assistant.

**Oregon**—T. H. SHERRARD, Forest Supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, Deputy Forest Supervisor; W. B. Osborne and Max Rothkugel, Forest Assistants.



- Siskiyou**—R. L. FROMME, Forest Supervisor, Grants Pass (WU, P-WF); N. F. McDuff, Deputy Forest Supervisor; H. Haefner, Forest Assistant.
- Siuslaw**—A. E. COHOON, Forest Supervisor, Eugene (WU, P-WF); David E. Fitton, Deputy Forest Supervisor; R. E. Dickson, Forest Assistant.
- Umatilla**—THOS. E. CHIDSEY, Forest Supervisor, Heppner (WU-Am); George A. Bright, Forest Assistant.
- Umpqua**—S. C. BARTRUM, Forest Supervisor, Roseburg (WU, P-WF); E. H. McDaniels and Wilmot W. G. Hastings, Forest Assistants.
- Wallowa**—H. W. HARRIS, Forest Supervisor, Wallowa (WU-Am); S. A. Brown, Deputy Forest Supervisor; Charles Black, Grazing Assistant; Robie M. Evans, Forest Assistant.
- Wenaha**—See Washington.
- Whitman**—HENRY IRELAND, Forest Supervisor, Sumpter (WU via Baker City-Am, WF via Baker City); M. L. Merritt, Forest Assistant.

## WASHINGTON

- Chelan**—G. W. MILHAM, Forest Supervisor, Chelan (PT & T-Am, GN via Wenatchee); H. M. Coan, Forest Assistant.
- Chelan (Okanogan)**—H. M. HALE, Forest Supervisor, Okanogan; Robert G. Merritt, Forest Assistant.
- Columbia**—H. O. STABLER, Forest Supervisor, Portland, Oreg. (WU, P-Am, WF, N); Homer Ross, Deputy Forest Supervisor; A. R. Wilcox and Lage Wernstedt, Forest Assistants.
- Colville**—C. C. REID, Forest Supervisor, Republic (WU, P-Am, GN); F. W. Cleator, Deputy Forest Supervisor; Edward W. Headsten, Forest Assistant.
- Olympic**—R. E. BENEDICT, Forest Supervisor, Olympia (WU-Am, GN, N); A. A. Parker, Deputy Forest Supervisor; Harold P. Gilky and William H. Gibbons, Forest Assistants.
- Rainier**—G. F. ALLEN, Forest Supervisor, Tacoma (WU, P-Am, N); H. L. Hurd, Deputy Forest Supervisor; E. J. Fenby, Forest Assistant.
- Snoqualmie**—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. Clark, Deputy Forest Supervisor.
- Washington**—C. H. PARK, Forest Supervisor, Bellingham (WU, P-Am, GN, N); F. H. Brundage, Deputy Forest Supervisor; Herman M. Johnson, Forest Assistant.
- Wenaha**—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-Am, N).
- Wenatchee**—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-Am, GN); S. A. Blankenship, Deputy Forest Supervisor; C. P. Willis, Forest Assistant.

## SERVICE CHANGES

## APPOINTED

FORESTER—Dendrology: William H. Lamb, Scientific Assistant in Forest Distribution.

SILVICULTURE—Silvics: Robert H. Moran, Student Assistant.

PRODUCTS—Laboratory: James C. Lawrence, Assistant Chemical Engineer in Forest Products; Robert E. Cooper, Chemist in Forest Products; Louis Witt, Assistant Engineer in Forest Products; Clyde Teesdale, Assistant Engineer in Forest Products; Thomas R. C. Wilson, Assistant Engineer in Forest Products; Lee F. Hawley, Chemist in Forest Products; Ernest Bateman, Chemist in Forest Products. Wood Utilization: John Harris, Statistician in Forest Products.

DISTRICT 2—Operation: Henry L. Thackwell, Forest Expert, Gunnison National Forest.

DISTRICT 5—Lands: George F. Peekema, Expert, District Office.

## RESTORED TO THE ROLLS

DISTRICT 1—Operation: Elmer D. Fletcher, Deputy Forest Supervisor, Washington Office.

DISTRICT 2—Operation: Albin G. Hamel, Forest Assistant, San Isabel National Forest.

DISTRICT 5—Operation: Allen H. Hodgson, Forest Assistant, Klamath National Forest.

## CHANGE IN DESIGNATION

DISTRICT 1—Operation: Harry C. Schick, from Deputy Forest Supervisor to Forest Ranger, Deerlodge National Forest.

DISTRICT 5—Operation: Frederick H. Hafley, from Forest Supervisor to Forest Ranger, Trinity National Forest.

DISTRICT 6—District Forester: Charles S. Chapman, District Forester to Forest Assistant. Operation: Theodore F. Rixon, Civil Engineer to Expert, Olympic National Forest.

## TRANSFERRED

OPERATION—Clyde Leavitt, Assistant Forester, to Forest Inspector, Appalachian.

SILVICULTURE—A. K. Chittenden, Forest Examiner, to Forest Inspector, Appalachian.

DISTRICT 1—Operation: W. B. Piper, Forest Examiner, from Madison National Forest to Michigan and Marquette National Forests; Reuben P. Prichard, Forest Assistant, from Deerlodge National Forest to Lolo National Forest; Rutledge Parker, Deputy Forest Supervisor, from Kootenai National Forest to Missoula National Forest; Donald R. Brewster, Forest Assistant, from Beartooth National Forest to Sioux and Dakota National Forests; Harry C. Schick, Forest Ranger, from Deerlodge National Forest to Lewis and Clark National Forest; Karl W. Woodward, Forest Examiner, from Missoula National Forest to Appalachian, Washington Office; Elmer

D. Fletcher, Deputy Forest Supervisor, to Appalachian, Washington Office. Silviculture: H. H. Farquhar, Forest Assistant, from Jefferson National Forest to District Office in charge of Planting.

DISTRICT 3—Operation: Daniel W. Adams, Forest Supervisor, from Arkansas National Forest to Lumberman, Appalachian, Washington Office; Verne Rhoades, from Assistant Forest Ranger (reinstated) to Forest Examiner, Appalachian, Washington Office. Lands: Thomas B. Landers, Mineral Examiner, from District 6.

DISTRICT 4—Operation: Deputy Forest Supervisors—Lincoln Crowell, Targhee National Forest to Sevier National Forest; Clarence E. Dunston, Palisade National Forest to La Sal National Forest; Duncan M. Lang, Kaibab National Forest to Fishlake National Forest. Forest Assistants—Samuel B. Locke, Salmon National Forest to Sawtooth National Forest; Harry B. Maris, Targhee National Forest to La Sal National Forest; William N. Sparhawk, Salmon National Forest to Sevier National Forest; Sidney S. Stewart, Fishlake National Forest to La Sal National Forest; William W. Twaddell, jr., Salmon National Forest to Fishlake National Forest; Herman Work, Dixie National Forest to Humboldt National Forest; Reese W. Taylor, Nevada National Forest to Sevier National Forest; Nils B. Eckbo, Forest Agent, Dixie National Forest to Fishlake National Forest; Levon H. Kooyunjian, Forest Guard, Moapa National Forest to Sevier National Forest.

DISTRICT 5—Operation: Walter M. Moore, Forest Assistant, from Washington Office to Santa Barbara National Forest.

DISTRICT 6—Operation: Lage Wernstedt, Forest Expert, Clugach National Forest to Columbia National Forest. Silviculture: Alex. G. Jackson, Forest Assistant, Snoqualmie National Forest to District Office. Lands: Thomas B. Landers, Mineral Examiner, District 6 to District 3.

#### PROMOTED

DISTRICT 1—Operation: William A. Raymond, Kootenai National Forest, from Forest Ranger to Deputy Forest Supervisor.

DISTRICT 2—Operation: John W. Lowell, jr., from Deputy Forest Supervisor to Forest Supervisor, Battlement National Forest.

DISTRICT 3—Operation: Willard M. Drake, from Deputy Forest Supervisor to Forest Supervisor, Coconino National Forest; Elbert H. Crabb, from Deputy Forest Supervisor, Tusayan National Forest, to Forest Supervisor, Sitgreaves National Forest.

DISTRICT 4—Operation: Chester B. Morse, Deputy Forest Supervisor to Forest Supervisor, Targhee National Forest; Lincoln Crowell, Forest Assistant to Deputy Forest Supervisor, Targhee National Forest; Clarence E. Dunston, Forest Examiner to Deputy Forest Supervisor, Palisade National Forest; Duncan M. Lang, Scaler, Kaibab National Forest, to Deputy Forest Supervisor, Fishlake National Forest; Charles A. Beam, Forest Ranger, Palisade National Forest, to Deputy Forest Supervisor, Targhee National Forest.

DISTRICT 5—Operation: Bert Lewis, from Assistant Forest Ranger to Deputy Forest Supervisor, Stanislaus National Forest; Wilbur A. Huestis, from Deputy Forest Supervisor to Forest Supervisor, Trinity National Forest.

DISTRICT 6—District Forester: George H. Cecil, Associate District Forester to District Forester.



## LEAVE WITHOUT PAY

DISTRICT 2—Operation: Crosby A. Hoar, Forest Assistant, White River National Forest; H. W. Thurston, Forest Supervisor, Shoshone National Forest.

DISTRICT 5—Operation: Napoleon B. Drew, Deputy Forest Supervisor, California National Forest.

## FURLOUGHED

DISTRICT 1—Operation: Elwood I. Terry, Forest Assistant, Deerlodge National Forest; Edward G. Stahl, Deputy Forest Supervisor, Pend Oreille National Forest; Joseph W. Butler, Forest Assistant, Madison National Forest; H. E. Fegley, Forest Assistant, Sioux and Dakota National Forests. Silviculture: Austin Cary, Expert; George L. Cott, Lumberman.

DISTRICT 2—Silviculture: George P. Gregg, Lumberman, Black Hills (N) National Forest.

DISTRICT 3—Operation: Barrington Moore, Forest Assistant, Gila National Forest; William J. Duppert, Forest Assistant, Sitgreaves National Forest.

DISTRICT 4—Operation: Orrin C. Snow, Forest Supervisor, Sevier National Forest.

DISTRICT 6—Silviculture: John P. Hughes, Lumberman.

## RESIGNED

SILVICULTURE—Samuel N. Spring, Forest Examiner; E. A. Sterling, Assistant Forester. State Cooperation: Richard T. Fisher, Forest Assistant; Blaine S. Viles, Forest Assistant; R. S. Mackintosh, Collaborator; Hugh P. Baker, Forest Assistant. Silvics: Wilmer T. Stone, Forest Assistant.

LANDS—Milton J. McVean, Clerk.

DISTRICT 1—Operation: Fred D. Davis, Forest Assistant, Deerlodge National Forest; Samuel M. Higgins, Forest Agent, Michigan and Marquette National Forests; Elmer R. Brunke, Forest Supervisor, Custer National Forest.

DISTRICT 3—Operation: Elbert H. Crabb, Forest Supervisor, Sitgreaves National Forest; Ross McMillan, Forest Supervisor, Carson National Forest. Silviculture: Samuel J. Record, Forest Assistant.

DISTRICT 5—Silviculture: James Munro Grant, Forest Expert, Angeles National Forest.

## APPOINTMENT TERMINATED

FORESTER—Dendrology: Willis L. Jepson, Collaborator.

DISTRICT 2—Operation: Charles E. McMullin, Forest Ranger, Uncompahgre National Forest.

DISTRICT 3—Silviculture: Harry Franklin, Field Assistant.

DISTRICT 5—Operation: Edgar B. Davison, Deputy Forest Ranger, Santa Barbara National Forest; Franklin H. Smith, Assistant Forest Ranger, Plumas National Forest.

## SUSPENDED

DISTRICT 4—Operation: David Barnett, Forest Supervisor, Targhee National Forest.



## DISMISSED

DISTRICT 1—Operation: Dwight Bushnell, Forest Supervisor, Helena National Forest.

DISTRICT 2—Operation: Roderick S. Day, Assistant Forest Ranger, Rio Grande National Forest.

DISTRICT 3—Operation: William H. B. Kent, Forest Supervisor, Gila National Forest; Walter J. Stockbridge, Assistant Forest Ranger, Gila National Forest.

DISTRICT 4—Operation: Hyrum O. Rose, Forest Ranger, Pocatello National Forest. Silviculture: Leslie L. White, Assistant District Forester, in charge of Silviculture, District Office.

DISTRICT 5—Operation: Julius L. Ammon, Forest Ranger, Klamath National Forest.

DISTRICT 6—Products: John F. Sullivan, Expert.

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With deep regret announcement is made of the following deaths which have occurred since the issue of the January number of the Field Program: That of Frank J. Phillips, Forest Assistant, at Lincoln, Nebr., February 13; that of S. A. McIntyre, hunter on the Colorado National Forest, February 25; that of William B. Murdock, clerk in the Section of Drafting, Ogden, Utah, March 15; that of Harry H. Peregoy, Forest Ranger on the Inyo National Forest, January 4; that of John E. Moseley, Assistant Forest Ranger on the Cleveland National Forest, February 9; and that of Robert H. Miller, Assistant Forest Ranger on the Santa Barbara National Forest, February 27.

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## SERVICE NOTES FOR APRIL

These notes contain instructions and necessary information for Forest officers, and will therefore be carefully read and kept on file for reference.

### LAW

#### Damages Assessed against Grazing Trespasser—

On March 14 proof in the case of *United States v. William P. Tippet* involving grazing trespass on the Wallowa National Forest, was presented to the United States District Court at Portland, Oreg., resulting in an assessment against the trespasser of \$64 actual damages, \$25 punitive damages, and costs amounting to about \$100.

#### Verdict against the Northern Pacific Railway Co.—

The case of the *United States v. Northern Pacific Railway Co.*, which was heard in the United States District Court at Seattle, Wash., on December 6, 1910, in a suit for \$6,000 damages from fire alleged to have been started from the company's engines on its right of way, resulted in a verdict for the Government of \$5,500 and costs. The verdict was later set aside by Judge Hanford as excessive. Retrial will occur in May or June.

#### Judgment of Ouster against Illegal Occupants—

On December 29, 1910, judgment of ouster was entered in the United States District Court at Seattle against R. L. and A. V. Higley, involving the illegal occupancy of a tract of land bordering on Lake Quinault, Olympic National Forest. The defendants secured the land under special use permit, but for two years had refused to make the payment thereunder.

### ACCOUNTS

#### Directions for Express Shipments—

It has recently been held that bills of lading are not necessarily required for shipments by express. Under certain conditions, however, their use has been found to be of advantage. The following rule, therefore, is suggested:

Small local shipments by express may be paid for in cash by the Forest officer making the shipment and the item be included in his next reimbursement account, supported by the express company's receipt as a subvoucher. This receipt must show (a) the articles shipped; (b) rate; (c) weight; (d) amount paid; (e) the initial and (f) terminal points; and (g) that the shipment was Government property.

Charges should not be paid on express shipments to or from Washington, as the companies include all such charges in their monthly bills supported by the regular departmental charge slips and receipts.

When field shipments are made to any point other than Washington, and the charges are not paid in cash, bills of lading should be prepared in the usual way.

With regard to freight shipments, no change should be made in the present procedure, the regular bill of lading form being required for all such shipments.

## OPERATION

**Forest Surveys and Maps—**

An insert will soon be issued for the Instructions for Making Surveys and Maps. It will supersede National Forest Order 23, Part 4, and the Instructions for Examinations for Agricultural Settlement. It will contain sample field notes and instructions for platting ranger and homestead surveys.

The insert will also include instructions for mounting maps on muslin, and will describe the method for the cancellation of misleading marks on former Forest boundary posts.

The insert will be pasted in the Instructions for Making Forest Surveys and Maps, edition of 1910, at page 34, and will therefore be available for Forest officers during the season of 1911. The edition for 1912 will contain all of the instructions heretofore issued, together with astronomical tables for 1912.

**Rules Concerning Property and Business Relations, Political Activity, and Personal Conduct—**

The following rules have been established to protect the Forest Service and its individual members from possible criticism or embarrassment in the discharge of official duties because of any likelihood that official action might be thought to have been improperly influenced by personal motives or interests. The administrative officers will enforce these rules by such measures as they deem necessary. Members of the Service who are in doubt regarding the application of these rules to their personal interests should seek the advice of their official superiors.

1. No member of the Forest Service shall, under any circumstances, file or initiate a claim, directly or indirectly, under any of the public-land laws, to land within the limits of a National Forest. A member who has secured a claim, under any of the public-land laws, to such land, before its inclusion within a National Forest, or before his appointment as a Forest officer, will be allowed to perfect his title, but he may be compelled to choose between his claim and his position should his duties make it impossible for him to comply with the residence or improvement requirements.

2. A member of the Forest Service may acquire land not included within a National Forest, under any of the Federal or State land laws, or have an interest in any association, partnership, or company formed with a view to acquiring such land, unless such action might prejudice his standing as a Forest officer, influence his official action, or tend to bring criticism upon the Forest Service.

3. A member of the Forest Service may purchase private land within or near a National Forest, unless such action might prejudice his standing as a Forest officer, influence his official action, or tend to bring criticism upon the Forest Service.

4. No member of the Forest Service shall, as principal, partner, or agent, speculate or be commercially interested in timber or other forest products, or in live stock, or in any ownership or lease of any timberland, or in any lumbering contract or operation whether on the National Forests or elsewhere, when such action will prejudice his standing, influence his official action, or tend to bring criticism upon the Forest Service.

5. No member of the Forest Service shall, as principal, partner, or agent, be interested in any enterprise which profits by the use of any National Forest on which he is



employed, or by any investigation or other work in which he may be engaged, except as otherwise provided herein.

6. No member of the Forest Service shall, directly or indirectly, engage in or profit by private business transactions with, or receive gifts from, a National Forest user or others with whom he has official relations, which might influence his official action or tend to expose the Forest Service to criticism.

7. It is improper for any member of the Forest Service to grant any privilege or permit by which he or any member of his family will profit, directly or indirectly. Such permits may be issued only by his official superior.

8. Whenever in granting a permit or in making any decision or recommendation the good faith of a member of the Forest Service might be questioned, on the ground that the action was influenced by personal friendship, family relationship, or business interests, the Forest officer may refer the case to his official superior when in his judgment this course is advisable in order to protect himself and the Service.

9. No member of the Forest Service shall give or use information acquired by means of his official position to advance the interests of himself, his family, his business associates, or his personal friends over those of other persons.

10. No member of the Forest Service shall engage in any speculation, mercantile transaction, or other activity of a character to engross his attention or to divert it from his public duty.

11. A Forest officer is a representative of the National Government, and as such his acts as a private individual are particularly open to criticism and may reflect on the Service. Consequently he must set and hold to a high standard of personal conduct and integrity that will safeguard the Service against criticism and embarrassment.

12. The order of the Secretary prohibiting political activity, published in the Field Program of January, 1911, will be strictly enforced.

## SILVICULTURE

### Correspondence on Insects, Diseases, and Protection from Animals—

All letters dealing with insect infestations on the National Forests, which are prepared by supervisors for the Bureau of Entomology, should be forwarded in triplicate to the District Forester, who will retain one carbon and forward the original and the other carbon, with his approval, or such comment as he may care to make, to the Forester for transmittal to the Bureau of Entomology. The Bureau of Entomology, in its turn, will address its reply in triplicate to the Forest supervisor and will forward it through the Forester and District Forester, each of whom will retain a carbon copy. When the Bureau of Entomology has a District field agent or an expert in charge of a District field station within a Forest Service district, correspondence between the supervisor and the field representative of the Bureau of Entomology should be carried on through the District Forester, with carbons of important letters for the District Forester, Forester, and the Washington office of the Branch of Forest Insect Investigations in the Bureau of Entomology.

Correspondence relating to diseases, which is intended for the Office of Investigations in Forest Pathology in the Bureau of Plant Industry, should similarly be transmitted by the supervisor through the District Forester and the Forester, with



carbons for each. The Bureau of Plant Industry will also reply in triplicate through the Forester. When there is a consulting pathologist in the District, correspondence between him and the supervisor should be carried on through the District Forester, with carbons of all important letters for the District Forester, the Forester, and the Bureau of Plant Industry.

Correspondence relating to protection from birds, rodents and other animals, which is intended for the Biological Survey, should be transmitted by the supervisor through the District Forester and Forester, with carbons for each. Replies from the Biological Survey will be in triplicate through the Forester and District Forester, each of whom will retain a carbon of the reply.

#### **Nursery Reports—**

Experiments and investigations at the various Forest Service nurseries often lead to results which would be of particular interest and value to other nurseries. In order that information of this character may be made generally available, it is suggested that the progress reports for all the nurseries in each District be briefly summarized in the District office and a sufficient number of mimeographed copies of this summary be sent to each District Forester for optional distribution to Forest nurseries within each District. Summaries of these reports for general distribution should be made as brief as possible and should include only results of experiments in nursery practice that are distinctly of general interest. Such summaries need not necessarily be made each month, but as often as nursery reports contain sufficient information to justify the expense of compilation.

#### **To Increase the Usefulness of the Library—**

It is the aim of the Library Committee to include in the Washington library all books on forestry which might be of any use in this country, and also books on other related subjects which would be frequently referred to by members of the Service. It will help the committee greatly in securing all desirable literature of either of these classes if members of the Service, both in the field and in Washington, will notify the committee at once of new publications which they believe should be included, with the reasons for their recommendation. The value and usefulness of the library can also be increased by notifying the librarian of special articles of interest in periodicals which are not already catalogued, in order that they may be included in the library index. A monthly list of accessions to the library reprinted from *American Forestry* is sent regularly to each District. Publications in the Washington library can be borrowed at any time by field men, for periods of not more than one month, by applying to the Forester through the District Forester.

### **GRAZING**

#### **Grazing Permits and Trespass Period—**

In several cases of grazing trespass, which have been received in the Forester's office during the past season, it has been found that supervisors have issued grazing permits which were for periods covering a part or all of the period during which the stock were grazed upon the National Forest in trespass. It is the opinion of the Solicitor that the issuance of a permit of this character is a condonation of the trespass by the Forest Service, which renders it difficult, if not impossible, to sustain

civil suit for the collection of damages or criminal action for violation of the regulations. Forest supervisors must not, in any case which is to be handled as a grazing trespass, issue a grazing permit authorizing the grazing of the trespassing stock during any part of the period in which the stock were in trespass. If the owner of the trespassing stock is entitled to share in the use of the range, a permit may be issued to him for the remainder of the summer season; but the beginning of the permit period must not antedate the date upon which the application for permit was approved. The approval of the application by the supervisor will be considered as the termination of the trespass, and the inclusive dates, during which the stock are reported in trespass, should be from the date the trespass began until the date of the approval of the grazing application. If, however, the trespasser fails to complete his application by the payment of the proper fees, then the trespass period will be from the date the stock entered the Forest in trespass to the date the stock were removed from the Forest.

## LANDS

### **Claims: Indorsement upon Final-Proof Notices, June 11, 1906, Entries—**

The note on page 99 in the January Field Program, "Final Notices and Requests," has been superseded by the following procedure, contained in Circular Letter L—Service, Claims, of February 6, 1911:

When the supervisor receives a copy of the final-proof notice for an entry, made under the act of June 11, 1906, the following indorsement on the copy of final proof notice will be used:

This entry was initiated under the act of June 11, 1906, and no report will be made by the Forest Service, as the Department of Agriculture has no authority to examine and report on this class of claims.

The indorsement will be dated and signed by the Forest supervisor, and a copy of the final-proof notice will be promptly returned to the Register and Receiver before the date of final proof. The Forest supervisor will also send two copies of the final-proof notice bearing the indorsement to the District Forester. Upon receipt of these copies the District Forester will send one copy to the Chief of Field Division with the notation dated and signed by him, that for the reason given in the supervisor's indorsement no report will be transmitted.

When a request from the Commissioner of the General Land Office for a report covers a claim, initiated under the act of June 11, 1906, the District Forester will send a letter, in duplicate, to the Chief of Field Division, with appropriate reference to the Commissioner's request, stating that the entry was initiated under the act of June 11, 1906, and, therefore, no report will be made by the Forest Service, as the Department of Agriculture has no authority to examine and report upon this class of claims.

### **Procedure in Squatter Claims—**

All squatter claims of doubtful validity should be subject to the following procedure:

A report on the usual form, supported by affidavits, should be sent to the District Forester before the plat of survey of the township in which the claim is situated is filed in the local land office. This report will be submitted in ample time to allow

of its examination by the District Forester, and if found to be adverse it will then be sent to the proper Chief of Field Division with the request that a protest be filed against the claimant's application to enter the land when the plat of survey is filed. In this way issue will be joined on the question of the applicant's right to make entry of the land involved. A hearing will be ordered if found warranted by the Interior Department, and the respective rights of the claimant and the Government adjudicated as in other cases.

It is believed that this procedure will dispose of this class of cases in a manner more expeditious and economical both to the claimant and the Government.

#### **Settlement: Application to List Land Covered by Entry of Record—**

When an application is presented for the listing of a tract of land, under the act of June 11, 1906, which is covered by a homestead or any other entry, selection, location, or filing, such application will be rejected and the applicant informed that lands having such status are not subject to listing under that act and that his rejected application will receive no further consideration. The District Forester will also advise him that should the entry, selection, location, or filing be removed and the tract restored to the Forest, its listing thereafter can be obtained only by the filing of new applications, the priority of which will be determined by the order in which they are received, provided that if an application is made by one who has secured the cancellation of the entry, selection, location, or filing covering the tract, the listing of which is sought, that fact will be certified to the Secretary of the Interior, together with the names of other applicants, if any.

Where land covered by a June 11 application is also covered by a mineral application, the June 11 application should be suspended until the claim has been examined by a mining expert, a report made, and the validity of the mining claim passed upon by the Department of the Interior. In cases in which a mineral application has not been made, and in which existing mining locations do not appear to have been made in good faith, if the land is of undoubted agricultural value and more valuable for agriculture than for Forest purposes, the applicant should be informed that part of the land is covered by a mineral location, and that the listing of the land as agricultural will have no bearing upon the determination of the questions which may arise in a contest before the Interior Department between mineral and agricultural claimants; and the applicant should be asked whether, under these circumstances, he desires to exercise his homestead right on the land. If the answer is in the affirmative, the land should be recommended for listing. (Circular Letter L—Service, Settlement of February 27, 1911.)

#### **Settlement: Exceptions for Roads—**

In listing land under the Act of June 11, 1906, where it is necessary in the judgment of the District Forester to protect National Forest interests or the interest of the public at large, that a passage on or across said land should be reserved, the reservation will be accomplished by excepting a strip of land of sufficient width for a highway from the restoration. Where such strip of land is excepted from the area listed, two copies of a blueprint showing the courses and distances of lines bounding such excepted area should accompany the listing letter. The location of the excepted strip should also be shown on map, report Form 110. The blueprints and the showing



on Form 110 will accompany the listing letter whether the area listed is described by metes and bounds or is a legally surveyed subdivision. The listing letter containing such exception should be in the following language:

The Honorable the SECRETARY OF THE INTERIOR.

SIR: I have the honor to request that the following land (List No. —) in the — National Forest —, be open to settlement and entry in accordance with the Act of June 11, 1906 (34 Stat., 233):

Township —, Range —, — Meridian,

Section —,

— Land District,

except a strip of land 30 feet wide within the exterior boundaries thereof, which strip is particularly described as follows:

(Describe the place of beginning with bearing points) extending thence 15 feet on each side of a line running (give courses and distances to the place where the end of the strip closes on the boundary line of the tract listed), said excepted strip containing — acres. The net acreage hereby listed for entry is — acres.

— applied on —

— applied on —

It is recommended that entry be allowed pursuant to the suggestions in your letter ("A" 102902-10) of January 20, 1911, addressed to this Department.

Two copies of blueprints showing the excepted area are inclosed.

I have the honor to be, sir, very respectfully, your obedient servant,

\_\_\_\_\_,  
*Secretary.*

Inclosures.

A report should be made in each case whether the excepted strip is for an existing established public highway or road or for a proposed new road, and if the latter the reasons for the exception should be stated.

Where necessary to except a strip of greater width than 30 feet an explanation should accompany the draft of the listing letter to the Forester. (See "L, Service, Settlement" letters, February 8, 1911, March 7, 1911, March 9, 1911, and April 7, 1911.)

#### **Settlement: Exception for Roads, Notice to Applicant Act of June 11, 1906—**

In all cases where a tract is listed under the act of June 11, 1906, and a strip of land is excepted from entry, District Forester will notify the applicant that, on submission of final proof, he will be required by the General Land Office to have surveyed the boundary lines of the strip excepted. The survey of the excepted land will be in addition to the survey required to be made of the tract entered. No survey will be required by the General Land Office of previously established lines of official survey which may form in part the boundary of the tract entered, the survey of the excepted strip in such cases being sufficient.

#### **Settlement: Lands within Abandoned Military Reservations—**

November 19, 1910, the Secretary of the Interior decided, with reference to abandoned military reservations containing more than 5,000 acres, that applicants under the act of June 11, 1906, for the listing of areas within such reservations, will be required to pay the appraised price of such lands in addition to the customary filing fees. District Foresters will inform any applicants, upon filing an application for such lands, of this fact. (Circular Letter L—Service Settlement of February 16, 1911.)



**Settlement: Lands Valuable for Coal—**

In listing lands under the act of June 11, 1906, where areas are embraced which have been withdrawn or classified under the act of June 25, 1910, as coal land, or are valuable for coal, the following language should form the first paragraph of the listing letter:

I have the honor to request that the following described land (List ——) in the —— National Forest be open to settlement and entry in accordance with the Act of June 11, 1906 (34 Stat., 233), and with the Act of June 22, 1910 (36 Stat., 583), reserving to the United States Government all right and title to any coal deposits that may exist beneath the surface.

**Settlement: Closing Cases in Supervisors' Offices—**

In view of the decision of the Solicitor that lands listed by the Secretary of Agriculture with the Secretary of the Interior under the act of June 11, 1906, cease to be parts of the National Forests, settlement cases should be closed in the supervisors' offices upon the receipt of signed carbons of the listing letters. The practice of awaiting the receipt of notice opening the land to settlement and entry before closing the case will be discontinued.

**Stations: Withdrawal under the Act of June 25, 1910—**

Since withdrawal, under the act of June 25, 1910, will not give lands within National Forests any better protection than the Forest withdrawal affords, areas desired for ranger station purposes inside National Forests will not be recommended for withdrawal. A limited number of the areas most urgently needed for administrative sites outside National Forests will be recommended for withdrawal under the above act. (Circular Letter L—Service, Station, December 31, 1910.)

**Stations: Statement as to Power Value—**

Pursuant to the request of the Secretary of the Interior of March 8, 1911, the form of release letter, sent to District Foresters on September 8, 1910, to be used when recommending the revocation of administrative withdrawals is amended so as to include an additional paragraph, giving any information available in this Department with respect to the power value of the areas recommended for release. (Circular Letter L—Service, Stations, of March 11, 1911.)

**Rights of Way Stipulations—**

A form of stipulation for use in rights of way cases (railroads and irrigation) referred to Forest Service by the Department of the Interior has been approved and will be printed at once. Copies will be sent to the District Foresters for their use in handling such cases.

**Special Uses and Easements—**

On March 18, the Secretary of Agriculture approved regulations for the occupancy and use of National Forest land under "Special Use Permits." The regulations and the procedure and instructions thereunder, as well as the instructions respecting rights of way cases referred by the Department of the Interior to the Forest Service for consideration, will be printed in a circular as soon as practicable and sent to the Supply Depot for distribution.

**Indian Allotments—**

Section 31 of the act of June 25, 1910 (36 Stat., 855) provides:

That the Secretary of the Interior is hereby authorized, in his discretion, to make allotments within the national forests in conformity with the general allotment laws as amended by section seventeen of this act, to any Indian occupying, living on, or having improvements on land included within any such national forest who is not entitled to an allotment on any existing Indian reservation, or for whose tribe no reservation has been provided, or whose reservation was not sufficient to afford an allotment to each member thereof. All applications for allotment under the provisions of this section shall be submitted to the Secretary of Agriculture, who shall determine whether the lands applied for are more valuable for agricultural or grazing purposes than for the timber found thereon; and if it be found that the lands applied for are more valuable for agricultural or grazing purposes, then the Secretary of the Interior shall cause allotment to be made as herein provided.

The Secretary of the Interior has prepared proper regulations and forms for administering this Act, which have been approved by the Secretary of Agriculture. Printed copies will be sent to all the District Foresters, from whom they may be obtained by such supervisors and other persons as have need for them. It is probable that very few allotments will be made outside of the States of California and Washington, since most of the other Indians have been provided with a reservation. It should be noted that allotments under this Act can only be made to an Indian who is not entitled to an allotment on any existing reservation or for whose tribe no reservation has been provided, or whose reservation was not sufficient to afford an allotment to each member thereof.

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**SERVICE PUBLICATIONS ISSUED IN JANUARY, FEBRUARY, AND MARCH**

Circular 58—Red Oak (Revised).

Unnumbered Circular—Light Burning in California Forests.

Unnumbered Circular—Purchase of Land Under Weeks Law in Southern Appalachian and White Mountains.

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